

# FCR 21

Office of the President  
June 13, 2006

Members, Board of Trustees:

## CAPITAL CONSTRUCTION REPORT

Recommendation: that the Board of Trustees accept the capital construction report for the three months ending March 31, 2006. This report refers only to projects that had activity within this quarter.

Background: House Bill 622 enacted in the 1982 session of the Kentucky General Assembly authorizes the university to enter into architectural, engineering, and related consultant contracts for the purpose of accomplishing capital construction at the University of Kentucky.

*For the period January 1, 2006 thru March 31, 2006:*

*There were four new contracts this quarter:*

Project 1698.1	KY Swine Development & Training Ctr. Feed Mill (Woodford County) Denham Blythe, \$267,348
Project 2235.0	Construct Biological Pharmaceutical Complex Building EOP Architects, \$360,000
Project 2227.0	Fit-Up 4 <sup>th</sup> Floor in BBSRB WS Construction, \$5,342,000
Project 2229.0	Expand Cancer Infusion Suites The Wagner Company, \$958,673

*One contract was completed:*

Project 2163.0	Center for Pharmaceutical & Science Technology (CPST) Messer Construction, \$ 8,547,349
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*There were no amendments this quarter. There were three change orders greater than \$25,000.*

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Action taken:     Approved     Disapproved     Other \_\_\_\_\_

## CAPITAL CONSTRUCTION CONTRACTS QUARTERLY ACTIVITY REPORT

This report contains capital projects that have a dollar scope value of \$400,000 and above. The projects are listed in alphabetical order and contain the project number, the dollar scope, a brief description of the project work and information pertaining to the primary consultant's contract and the primary contractor's contract. This information includes:

**Consultant:** This section contains the name of the consultant, the contract number, the original contract amount, the total number of amendments, the cumulative amendment amount, the revised contract amount, and a notes section. The notes section will describe, in bold face type, all amendments to the consultant's contract for the current quarter.

**Contractor:** This section contains the name of the contractor, the contract number, the original construction contract amount, the total number of change orders, the cumulative change order amount, the revised contract amount, information on the low, high and number of bids, the percent of the contract completed, and a section for notes. The notes section will describe, in bold face type, all change orders greater than \$25,000 for the current quarter.

# CAPITAL CONSTRUCTION QUARTERLY ACTIVITY REPORT

## Glossary

**Amendment:** refers to modifications or changes to the Consultant's contract with the University, usually the result of changes in the program or scope of a project caused by unforeseen conditions or at the request of the University.

**Change Order:** refers to modifications or changes to the Contractor's contract with the University, usually the result of conditions not anticipated by the contract documents, plans and/or specifications for the work.

**Consultant:** the entity, usually an architectural or engineering firm, with whom the University contracts and who has primary responsibility for providing services to design and to administer the contract for construction of a construction project. The prime consultant frequently employs the services of one or more sub-consultants in fulfilling its contractual obligation.

**Contract administration:** refers to the activities of the consultant during the construction phase of the project in which they verify that construction is in compliance with the requirements of the contract between the University and the contractor.

**General Contractor:** the entity, usually a general contractor but occasionally a trade contractor, with whom the University contracts and who has primary responsibility for completion the construction of a project. This "prime" contractor usually employs the services of various subcontractors (trade contractors) and vendors in fulfilling its contractual obligations.

**Feasibility Study:** refers to investigation, usually commissioned through an outside consultant, to advise the University of the merits of an anticipated construction project, and to evaluate and comment on matters such as need, probably cost, preliminary program issues, and so forth.

**Gross square feet:** the total area of the project, generally measured from the outside of exterior walls for all floors of the project, including mechanical spaces.

**H.B.C.:** refers to the Commonwealth of Kentucky Department of Housing, Buildings and Construction, the state agency having responsibility for review and approval of University construction projects to assure compliance with applicable building codes.

**Penthouse:** refers generally to the enclosure around roof mounted mechanical spaces in a project. Not considered occupied (or net assignable) space.

**Percent complete:** as used in the report refers to the expenditure to date divided by the total amount of the construction contract for the work.

**Net assignable square feet:** the usable area of the project excluding corridors, rest rooms, storage areas, mechanical spaces, etc.

**Phase:** The various stages of design and construction of a capital project, including:

- **Programming phase:** refers to the initial planning phase of a project, during which the University (with or without participation by a consultant) defines in detail the needs and requirements of a project. This program becomes the basis for consultant selection, fee negotiation, and design of the project.
- **Schematic design (S/D or Phase 1):** refers to the first formal phase of design by the consultant, in which a general design solution to project programmatic requirements is developed.
- **Design development (D/D or Phase 2):** refers to the second formal phase of design by the consultant, during which the schematic design is expanded to identify solutions to design issues in broad terms, sufficient to insure the stated programmatic needs can be met.
- **Construction document phase (C/D or Phase 3):** refers to the final phase of the design process in which the details and specific project requirements are identified and incorporated in a final set of biddable construction documents.
- **Bidding phase:** refers to the stage of a project during which proposals for construction are solicited, culminating in the award of one or more contracts for construction.
- **Construction phase (or Phase 5):** refers to the actual construction of the project by contractors.

**Scope:** The total estimated value of a capital project on completion, including all design, construction and administrative costs as well as the cost of capitalized furnishings and equipment.

**Substantial Completion:** refers to the time during construction, certified by the consultant, when the work is sufficiently complete for the University to occupy the facility for its intended use without significant interruption. Upon certification of substantial completion, the University assumes operational and maintenance responsibility and insurance liability for the project and the warranty period begins for most elements of the construction. Some work generally remains, including correction of minor punchlist items, before the work is certified finally complete.

**Trade Contractor:** Sub-contractors, or individual bid package contractors, who practice a specific, trade (electrical, painting, structural steel, for example)

## **Major Projects**

### **Capital Project Management Division**

#### **Construct Biological Pharmaceutical Complex Building**

*Project Description:*

Phase I of the Biological Sciences/Pharmaceutical Complex, authorized by the 2005 General Assembly, will construct a shelled building at UK's Research Complex. Phase II will complete the 242,000 gross square foot facility. This new building will provide the college with a state-of-the-art facility that will also allow the college to expand enrollment to address the shortage of pharmacists in Kentucky. The College of Pharmacy will relocate to this new facility and vacate their existing space. In addition to the current Pharmacy Building, college faculty members are housed in 10 buildings on and off campus. Consolidation of the research and teaching expertise of the eighth ranked College of Pharmacy in the U.S. will further strengthen the instruction of students and research collaboration among faculty. The vacated Pharmacy Building will be reassigned to the Department of Biology to provide needed expansion space for classrooms, research, and faculty to meet the needs of the growing student enrollment in UK's largest department.

*Project Status:*

Continued initial review of COP existing conditions and Programming activities with COP faculty. Analyzing compatibility of Biology program to move into the vacated COP building. Programming Phase to continue through June 2006. Awaiting Final Report from the Ellerbe Becket Master Plan and completion of Programming phase prior to initiating Schematic Phase.

#### **Construct Horticultural Research and Education Facility**

*Project Description:*

Expanded plant science technology will be a major contribution to economic expansion in the Commonwealth. The Horticultural Research and Education Center at South Farm is the key component in the Statewide plan to develop a research/extension infrastructure in support of new and existing horticultural industries. The programs through this facility will explore, develop, evaluate, demonstrate, and communicate horticultural crop opportunities through innovative research and educational programs that enhance diversification, profitability, and sustainability of Kentucky farms and landscapes. It will become UK's most visible commitment to enhancing the viability of non-traditional enterprises and family farms. The scope of this project is not yet clearly defined. It will follow and supplement the intent of the South Farm Improvements project. These projects will serve to develop a horticulture research facility on the South Farm. Included in the scope are greenhouse and headhouse facilities, research laboratories, a storage building for equipment and pesticides, and environmental rooms.

*Project Status:*

Meeting was held to discuss status of greenhouse design. Finalization of program will be expedited by the Department Chair to allow the designer to complete design documents and prepare a bid package.

#### **Construct Parking Structure (PS #6 & PS #7)**

*Project Description:*

This project constructs two parking structures located on the University of Kentucky central campus. Virginia Avenue and Complex Drive were selected as the sites for these two structures. The structures house 1,312 parking spaces (732 PS6 and 580 PS7) and 10,000 sq. ft. of office space. The structures will serve mixed usage of students, faculty, staff, and visitors.

*Project Status:*

**Parking Structure #6 (Virginia Ave.):**

Shoring along Press Avenue began, and precast finishes are in progress. Contractor is completing the underground steam lines from the CUP Building into the Parking Structure. Chilled water lines are complete and have been tested. Office finishes will be completed in May. Light fixtures are being installed on the 4th level and will continue on lower levels. Work anticipated for May includes masonry

and curtain wall system completion, flooring in the office area, elevator installation, lighting, exterior caulking, temperature control systems, and site work.

**Parking Structure #7 (Complex Dr.):**

This project is complete.

**Construct Student Health Facility**

*Project Description:*

University Health Services will be an outpatient clinic to house University Health Services for students with support spaces and some administrative offices. This project will create additional space by constructing a new building of 65,000 gross square feet. The site will be in the courtyard framed by the Wethington Building, Warren Wright Medical Plaza, and the Sanders Brown Center on Aging.

*Project Status:*

The programming and schematic design phases have been completed. Coordination meetings were held with Ellerbe Becket and Towers-Golde to coordinate the building materials and site layout with the Hospital Expansion project and Master Plan. Meetings have been held with the users and Campus Facility Group to determine the facilities needs and responsibilities. The building is being held far enough away from the existing buildings to allow future access to maintain the underground utilities, which will not be relocated as a part of this project. The chilled water lines running underneath the building footprint will be rerouted through the basement of the new building. A 16" high pressure steam line has been added to the project to provide an accessible backfeed loop to the system. The consultants are proceeding with Phase 3, Contract Documents. Facility Dynamics Engineering was selected to perform services as Commissioning Agent for the project. We are currently in the fee negotiation phase. Turner Construction and Messer Construction Companies have been shortlisted and will be interviewed to provide Construction Management services on April 28th. The project is on schedule and within budget.

**Design Patient Bed Tower – Hospital/Clinical Enterprise Master Plan**

*Project Description:*

The Hospital's present patient bed tower is approximately 40 years old. Although the space served patients well, the infrastructure is aging, and the facility cannot accommodate present anticipated technology. This project will provide the site location evaluation, building programming, planning, and design services for a new bed tower. The project design team is lead by GBBN with major sub consultants including AM Kinney, Ellerbe-Becket, Staggs and Fisher, Affiliated Engineers, THP Limited, as well as a number of specialty consultants. This project provides much of the authority for the design of the Construct Patient Care Facility, Project Number 2239.0.

*Project Status:*

The Construction Documents for Huguelet Avenue Extension (GMP #1) were produced in April. The GMP was presented within budget. This work will bid during the next 30 days. Details of the progress on the Huguelet Ave. Extension are provided under Project 2239.1. The parking garage (GMP #2) and infrastructure (GMP #3) continue on an accelerated schedule, and the parking garage is under construction. Parking Garage details are provided under Project 2239.2. The Construction Documents for the Infrastructure were presented in April 2006. A detailed estimate is underway and due in late May. Details of the progress on the infrastructure are provided under Project 2239.3.

**Construct Patient Care Facility**

*Project Description:*

This project will construct a new hospital addition to include patient beds, patient diagnostic and treatment areas, support areas, support facilities, medical equipment, and infrastructure. This project also includes the replacement of the hospital parking garage and a connecting bridge to clear the site for the new hospital addition as well as land acquisition and utility relocation costs. Project 2239.1 is Guaranteed Maximum Price #1 (GMP #1) for the Patient Care Facility (PCF). This GMP will link Huguelet Drive to Virginia Avenue at the current Clinic Drive location. The new road will provide an east-west link from University Drive to the west side of campus at Virginia Avenue. New signalization and bike paths are included to provide additional safety along the route. New entries to existing parking lots will be constructed and

perpendicular parking will be removed between University Drive and Rose Street. The entire route will receive new landscaping and way-finding signage that will tie to both the Medical Center and Main Campus standards. Project 2239.2 is Guaranteed Maximum Price #2 (GMP #2) for the Patient Care Facility (PCF). This GMP will construct a seven level parking structure and will replace the existing Med Center parking garage that must be demolished in order to tie the new Patient Care Facility to the existing Medical Center. A future pedestrian bridge will connect the new structure to the Patient Care Facility and the design has allowed for the future addition of approximately 15,000 square feet of retail space fronting Limestone. Project 2239.3 is Guaranteed Maximum Price #3 (GMP #3) for the Patient Care Facility (PCF). This GMP will provide the University the ability to meet the utility requirements of the new Patient Care Facility. The Central Utility Plant on Press Avenue will be expanded with a new boiler; Chiller Plant No. 1, on University Drive will be renovated with new chillers; new emergency generators will be added to Chiller Plant No. 3 to serve the Patient Care Facility, critical steam and chilled water lines will be replaced and upsized in order to provide the capacity that will be required to service Phase 1A of the Patient Bed Tower. Project 2239.4 is Guaranteed Maximum Price #4 (GMP #4) for the Patient Care Facility (PCF) Project and includes the Design Development (DD), Construction Document (CD) and Construction Administration (CA) phases for demolition of the existing parking garage and design and installation of the major foundations of the new Patient Care Facility. Project 2239.5 is Guaranteed Maximum Price #5 (GMP #5) for the Patient Care Facility (PCF) Project and includes the Design Development (DD), Construction Document (CD) and Construction Administration (CA) phases for the core and shell of the new Patient Care Facility. Project 2239.6 is Guaranteed Maximum Price #6 (GMP #6) for the Patient Care Facility (PCF) Project and includes the Design Development (DD), Construction Document (CD) and Construction Administration phases for fit-up of 50% of the shell of the new Patient Care Facility.

*Project Status:*

The project is currently in Schematic Design (SD). On April 29th the designers met with members of the President's Staff and the Senior Advisory Group of the Healthcare Enterprise to review the schematic design and design concepts for the exterior of the building and the feedback was positive. The designers further refined the SD for the PCF during the month of April. One hundred percent SD drawings for foundations and core and shell were published and circulated mid-April. These documents will be reviewed by University and Hospital personnel during the month of May. Feedback will be presented to the designers during a series of meetings with the various groups during the second week of May. The construction manager and professional estimators will produce and reconcile estimates based on these documents. The project will proceed to DD based on information generated from these sources.

**GMP#1 Huguelet Ave:** Project GMP has been submitted and accepted, documents are presently being distributed for bids due on 5/12/06. Next month trade package bids will be accepted and initial construction mobilization will begin along with some limited site demolition.

**GMP#2 Parking Garage:** Demolition of existing structures is complete, and a new storm culvert is being installed. Mass excavation and rock removal has begun. The site is fully fenced and office trailers are located on Elizabeth Street for the duration of the project. Next month rock removal will continue and shoring of the building excavation and demolition of existing utilities will begin.

**GMP #3 Infrastructure Package:** Boiler submittals were received April 17th and are being reviewed by the selection committee. The boiler purchase will be made as soon as the permitting process is complete, but a selection will be made as soon as possible in order to coordinate design of the CUP expansion. Next month a design progress review submittal will be made for final review by the University.

**GMP #4 Mass Excavation and Foundations:** GMP#4 is in the latter phase of Schematic Design (SD). The final drawings were presented for University review the third week of April. Feedback will be presented during the third week of May. An estimate will be generated using the SD drawings before Design Development (DD) begins. Gilbane and Boyken International will prepare and reconcile SD estimates during the month of May. This estimate will establish the projected costs for the three major elements of the PCF - foundations, core and shell, and fit-up. Design development will proceed based on analysis of these numbers and the planned program for Phase 1A of the new hospital. The current schedule calls for a DD estimate for GMP #4 in February 2007, a 50% CD estimate in April of 2007 with bid and award for the work to occur in August of 2007.

**GMP #5 Core and Shell:** GMP#5 is currently in Schematic Design (SD). On April 29th the designers met with members of the President's Staff and the Senior Advisory Group of the Healthcare Enterprise to review the schematic design and design concepts for the exterior of the building. The feedback was positive. During the month of April the designers completed the schematic design. An estimate will be

generated using the SD drawings before Design Development (DD) begins. In support of this estimate the designers and the construction manager met on April 25th to review the documents in depth. The final drawings were transmitted for University review the third week in April. The results of the internal review by members of the University community will be presented to the designers the second week of May. The current schedule calls for a DD estimate for GMP #5 in late May of 2007, a 50% CD estimate in August of 2007, presentation of a GMP in February of 2008 with bid and award to occur in March of 2008. The work is on schedule.

**GMP # 6 Patient Care Facility Fit-up:** GMP#6 is currently in Schematic Design (SD). During the month of April meetings were held with the various user groups in the Hospital, and significant user input was provided. The design was further refined to reflect this input. During the month of May the designers will refine the schematic design. The final room layout, equipment, and furniture schemes will be established. The medical equipment plan will be developed. The goal is to produce 100% SD documents by May 30th. These documents will be previewed by University personnel the third week in May.

### **Expand Cancer Infusion Suites - Hospital**

#### *Project Description:*

This project is for the expansion of the chemotherapy infusion program into the 2nd floor of the Davis Millis portion of the Whitney Hendrickson Building. The existing infusion operation is located in the first floor of the same facility directly below the proposed expansion. The demand for chemotherapy infusion services has exceeded the available clinic space capacity causing patients to use inpatient facilities for outpatient services or to wait for needed treatments. The renovation will also provide urgent treatment cancer services that are not currently provided by the cancer center. The space is connected to the Hospital's central chilled water and steam systems.

#### *Project Status:*

Demolition is 100% complete; metal studs have been installed; duct work installation is approximately 50% complete; core drilling is 95% complete; rough-in for electric and plumbing on the 1st floor were completed on 3/29/06. The contractor will complete plumbing rough-in, installing blocking, and continue electrical work in basement.

### **Expand Emergency Services - Hospital**

#### *Project Description:*

GBBN / Staggs & Fisher are the design consultants. This renovation project consists of approximately 18,400 square ft. of ground floor space in the Critical Care Center. Materials Management and Purchasing offices will be relocated to expand patient care services in the Emergency Department. The renovation will provide a new and separate Pediatrics Emergency area to include an exterior entrance, waiting room triage, and support spaces; additional Emergency Department acute care bays, nursing space, and support space; and a new digital radiology room for exclusive use by the Emergency Department.

#### *Project Status:*

CPMD is awaiting approval from Hospital officials for the Scope increase from the original estimated budget of \$3M to \$4,750,000. Once approval has been received, the project will be sent to Purchasing for bid.

### **Expand Outpatient Radiology**

#### *Project Description:*

This project is for renovation and expansion of the existing outpatient Radiology clinic located in the Kentucky Clinic. Adjacent available space will be utilized for the expansion. This expansion is needed to provide additional clinic space for the overcrowded outpatient Radiology Department services. The expansion of radiology services into this space will provide additional capacity to serve the various clinics within Kentucky Clinic.

#### *Project Status:*

Site work is in progress. The landscaping estimate was received and approved for funding. Fencing is due within two weeks. Minor work to adjust functionality of the automatic door operators is in progress.



### **Expand & Upgrade Livestock Disease Diagnostic Lab**

#### *Project Description:*

New space is needed for more than one veterinary pathologist to perform animal postmortem examinations in addition to renovation of current necropsy space. New space is also needed to add molecular biology/special procedures capabilities to the laboratory. New technology in the form of an alkaline hydrolysis digester is needed to replace an aging incinerator. The LDDC is an office and laboratory building with net assignable space of 3,860 sq. ft. for offices and 28,100 sq. ft. of laboratories and support space. It is proposed to add 6,300 and 1,200 sq. ft. (net) of new laboratory and office space, respectively. An existing necropsy laboratory and support space will be renovated (2,000 sq. ft. net). An aging incinerator is the present means of carcass disposal. An alkaline hydrolysis digester will be installed for carcass disposal after renovating 2,000 sq. ft. (net) of space to contain the digester.

#### *Project Status:*

CD preparation was suspended until May 2006 in order to potentially include Phase 2 work currently under consideration within the Legislative budget process. Accordingly, both Bidding and Construction would be delayed 10 weeks. The vendor supplying the digester agreed to the delay at no additional costs with the digester being stored at the manufacturing facility. Some CD activities continue while awaiting additional funding. We received a draft feasibility report from the consultant with Lexington Fayette Urban County Government regarding technical feasibility of discharge into the city treatment plant. Initial report indicates the treatment plant digester can handle waste stream; however, LFUCG surcharge fees remain an issue for discussion with city staff. College of Agriculture has authorized Bench scale studies for on site Pretreatment facility with Tetra Tech, and the report is anticipated by May 2006.

### **4<sup>th</sup> Floor Fit-up BBSRB**

#### *Project Description:*

This project will fit-up approximately 32,750 square feet in the currently "shelled space" on the fourth floor of the BBSRB Building. The fit-up will include wet bench laboratory space, support space, and dry computational labs. The University has received a federal grant award of \$3,685,000 from the National Center for Research Resources Extramural Research Facilities Improvement Program. The space will primarily be utilized by Pharmacology. The final construction cost estimate is \$7,618,000, and the project scope has been revised to \$9,600,000.

#### *Project Status:*

A strategy to address vibration concerns is as follows: 1) Acoustic chambers will be constructed of drywall and insulation above the ceiling in certain areas: under and around the steam valve and transformer areas. 2) Special ceiling tile with high sound isolation properties will be installed in certain sensitive rooms. 3) Installation of vibration isolation devices on some of the rooftop EF fans was included as an alternate bid item, but was not accepted due to its excessive cost. Lab casework will be purchased from the price contract to match other casework in the building and to take advantage of surplus materials. Substantial Completion is scheduled for November 9, 2006. Progress meetings are scheduled for the first Thursday of each month. Weekly coordination meetings are being held on Thursdays at 2 PM for the first few weeks. The construction staging area has been constructed and work has begun on the 4th floor. Wall locations have been marked, and preliminary HVAC, plumbing, and electrical work has begun.

### **KY Swine Development & Training Ctr. Feed Mill (Woodford County)**

#### *Project Description:*

Revised project will construct a feed mill on the Woodford County Animal Research Center within either the sheep or swine unit. AG Engineering will design the mill utilizing new components and some equipment from the Cold Stream Farm feed mill when it is demolished.

#### *Project Status:*

Preconstruction meeting was held on 3/28/06, and Denham-Blythe began site work on 4/3/06. Site grading continues through this month. Some interference from existing utilities encountered, but this did not delay schedule or create additional costs.

### **Memorial Coliseum Expansion**

#### *Project Description:*

The basketball practice facility consists of the addition of men's and women's basketball offices, practice facility, weight training, medical support, locker/shower, facilities ticket office, administrative offices, and minor renovation of existing locker rooms. The estimated total cost of the facility is \$30 million, consisting of the \$2.5 million for design plus \$27.5 million for construction. This project involves the design of a 92,300 square foot Basketball Practice Facility to enhance the University's ability to attract top student athletes. The new facility will alleviate scheduling problems at Memorial Coliseum and will provide amenities in line with other NCAA basketball facilities in the country. The practice facility will be connected to Memorial Coliseum, which is located near the intersection of Lexington Avenue and the Avenue of Champions, and will renovate 7,700 square feet to support volleyball, gymnastics, offices, and ticketing. Sherman-Carter-Barnhart, Inc. is the prime architect for the project. They are working in conjunction with HNTB as the design architect, Staggs and Fisher as the M/E/P engineers, and the Structural Design Group as the structural engineer. Fuller, Mossbarger, Scott and May perform geotechnical and survey work for the project.

#### *Project Status:*

Messer continues to make progress with the floors, walls, columns and roof. Site utility work is nearing completion along Keeneland Dr. and continues to progress in the MLK Parking Lot. Electrical and communications ductbanks have been completed across MLK, and the street (MLK) has been re-opened to provide access to the MLK Parking Lot. Steam and chilled water lines have been completed across Martin Luther King Dr. and the street has been reopened. Lexington Ave. has been closed while electrical, communications, steam and chilled water lines are installed. The ductbanks are scheduled to be completed in mid-March, but steam and chilled water lines will not be completed until mid-May. Lexington Ave. will remain closed north of the access into the MLK Parking Lot while this work is being completed. Work on the steam line parallel to Blazer Hall will begin early May and complete in August. Masonry work is progressing on the masonry walls along the new building perimeter and inside the building. Brick work began on the east wall. Steel roof trusses and metal roof decking is nearing completion over both gyms. Floor slabs have been poured with the exception of the courts. The contractor is currently installing the underslab drainage system for the men's gym. The roof slabs have all been poured. Wall layout, plumbing, electrical and HVAC work are progressing at the court level and have begun on the first floor. Crews have been removing reshoring from the second floor. Work has begun on the masonry parapet walls over the 2nd floor roof. Messer indicates the project remains 3 weeks behind schedule due to unsuitable bearing soils and concealed structural conditions that were encountered. The difference between the substantial completion date and the final completion date reflects the difference between the initial occupancy of the new facility and completion of the renovated spaces. The construction progress meetings are being held the first Tuesday of each month, with the next meeting scheduled on May 2nd.

### **Renovate Vivarium in Central DLAR Facility**

#### *Project Description:*

This project will renovate the cage washing area, install a robotic cage washing system, and upgrade spaces to animal procedure rooms in the vivarium in the Combs Building. The Combs Cancer Research building is approximately 75,800 gross square feet. The building was constructed in 1987 and is in good condition. The facility consists of research labs, offices, lab support areas, animal care areas, and animal care support space.

#### *Project Status:*

Pre-Construction Meeting was held, and Construction work began on April 25th. Weekly coordination meetings will be held with DLAR staff to sequence and coordinate renovations with activities of DLAR research. Cage wash area to be taken out of service next week for removal of existing equipment, but an alternate facility is available elsewhere within the facility. Pre-purchased equipment is arriving and is being stored.

### **Student Housing - Supporting Utility Plant Upgrades (Boiler/Chilled Water)**

#### *Project Description:*

This project includes expanding the Virginia Ave. CUP to accommodate future expansion in steam and chilled water capacity. The project was established in support of the Student Housing Project.

#### *Project Status:*

No change in status.

### **Upgrade Surgical Services**

#### *Project Description:*

This project will renovate existing space to develop a Same Day Surgery Intake Unit; will relocate surgical offices adjacent to the operating rooms in the Critical Care Center to expand the Post Anesthesia Care Unit; will develop a Pre-op, PACU, and waiting space in the main hospital building dedicated to pediatric patients; and will renovate the 1st floor surgical waiting area. The current layout and size of unit causes numerous inefficiencies in the department. The amount of PACU beds is too few based on industry standards. This renovation will allow for improved operational efficiencies of the operating rooms and will provide for an improved patient experience with the development of the same day surgery intake unit. This space is connected to the Hospital's central chilled water and steam systems.

#### *Project Status:*

Phase 3 documents were delivered, reviewed, and approved on April 4, 2006. The Hospital provided information to the head wall vendor the week of 4/17/06; they will provide the drawings necessary to complete the bid documents within 2 weeks. Some room numbers were revised by the Hospital to correct electric panels and communications equipment. CPMD is also awaiting approval from the Hospital to increase the scope from the original estimate of \$2.9M to \$4.5M which will allow for replacement of existing air handler units. Once approval has been received, the project will be sent to Purchasing for bid.

### **American Cancer Society – Hope Lodge & Office Building**

#### *Project Description:*

The project entails construction of two buildings for the American Cancer Society. The Hope Lodge, a three story, 34 unit, 25,377 gross square foot residential care facility will provide rooms for cancer treatment patients and their families while they are receiving treatments in Lexington hospitals. The Office Building, a one story, 5,052 gross square foot building will house the local offices of the American Cancer Society. The building complex will be located on Sports Center Drive, also including parking areas for both facilities, a shared terrace between the buildings, landscaping, site lighting and a small parking lot for the existing "K" Association House next door.

#### *Project Status:*

Work completed during the month of April included completion of the foundation walls, installation of the damproofing, installation of building insulation and backfilling of foundation walls on the Lodge building. Masonry walls are continuing for the elevator shaft and stairwells, and work began on the foundation walls for the office building.

### **Commonwealth Stadium Waterproofing/Concrete Sealing**

#### *Project Description:*

This project will reseal the concrete stands of the original stadium, last completed in 1986. The program for the project will be to apply a new coating onto the concrete surfaces at Commonwealth Stadium. These areas currently have a coating that has deteriorated over the years. Due to the fact that there is very little "design" work needed, BFM is preparing a performance specification, with minimal drawings, so that the installation of the coating will bid as an RFP. The performance specification will require a representative from the coating manufacturer to be onsite during the initial coating installation period to validate the thickness of the coating material being applied.

#### *Project Status:*

Submittals for the RFP were received on April 5th. The shortlist review was on April 6<sup>th</sup>; RAM Restoration & Waterproofing was interviewed and selected on April 10th. A contract was drafted and

signed by RAM on April 10th and sent for approval. A pre-construction meeting was held the week of April 24th. Materials will be delivered in early May and work will begin immediately thereafter.

**Replace Steam and Condensate Pipe**

*Project Description:*

This project will replace central steam and condensate piping systems. The Central Utilities Systems of the University of Kentucky have proven to be very economical to maintain and operate. It reduces the construction cost of new building by eliminating redundancy in buildings and reduces the operations cost of new and existing buildings by providing reliable and low cost energy alternatives at central locations. The Central Steam and Condensate system on the University of Kentucky Campus is an extensive layout of underground piping, tunnels, and steam pits. A large portion of this system has deteriorated through corrosion, and much of it is beyond design life expectancy. Condensate returns and steam lines need to be improved. Most of the direct bury steam lines consist of Class A conduit systems, which have deteriorated and corroded to the point that increased loads on the central heating system have been experienced. Repairing these steam and condensate lines will improve the ability of the campus heating system to deliver steam to all campus buildings.

*Project Status:*

Project establishment completed on March 20th, and submittal guidelines were established for consultant advertisement. Consultant submittals and selection will occur in May, and the consultant's contract will be issued immediately thereafter.

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Center for Pharmaceutical & Science Technology (CPST Bldg.)

Project Number: 2163.0

**Project Description:**

Scope: \$14,000,000

The CPST operation will be located in the small buildings zone of the Coldstream Research Park. Some of the operation presently located on the 1st floor of the College of Pharmacy building will be relocated to the new operation in Coldstream.

**Consultant:** CE & IC / Lockwood Greene Engineers, Inc.

\*Multiple consultants have been hired.

The \$ amounts represent the sum of all contracts.

Contract # A041040 / A051060

Original Contract Amount: \$1,165,000

Total Amendments to Date: 2

Cumulative Amendment Amount: \$29,900

**Describe all amendments :**

Revised Contract Amount: \$1,194,900

**Contract A051060, Amendment #1**, 02/08/05, an increase of \$17,500.00, was approved to complete conceptual design and a cost estimate for the CPST Lexel Building alternative. **Amendment #2**, 06/14/05, an increase of \$12,400.00 was approved for additional design of roof drainage and revision of storm drainage. **No amendments this quarter.**

**Contractor:** Messer Construction

\* Messer's contract was awarded by RFP process.

Contract # 4500000572 & 4500000573

Original Contract Amount: \$12,970,247

Total Change Orders to Date: 40

Cumulative Change Order Amount: -\$4,422,898

Low Bid:

Revised Contract Amount: \$8,547,349

High Bid:

Contract Percent Complete: 100%

Number of Bids:

**Describe all change orders greater than \$25,000.00:**

**Contract 4500000572: Change Order #1**, 06/18/2004, was approved for -\$4,622,955.00 to reduce the scope of the Design/Build Contract to eliminate the remaining design and construction of the "clean room" areas and building utilities. The manufacturing functions and equipment has changed due to the users' realignment of their processes. The University determined that redesign of the clean room spaces should be done outside of the design/build contract. **Change Order #2**, 04/21/05, was approved for -\$78,807.00 to eliminate all remaining interior work from current contract, and add under slab utilities, second floor structure for mechanical room and roof drainage. **Change Order #3**, 05/03/05, was approved for \$31,991.00, to provide and install an electrode conductor and quazite pull box into the electric room for future equipment connections. **No change orders greater than \$25,000.00 this quarter.**

**Contract 4500000573: Change Order #14**, 01/06/2006, was approved for \$103,938.00, to provide necessary vacuum jacketed piping from the nitrogen storage tank to the Lyophilizer equipment and to provide a concrete pad for the storage tank. The piping and pad were not supplied by the equipment vendor so this work had to be included via change order to the general contractors contract.

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

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**Construct Biological Pharmaceutical Complex Building**

Project Number: 2235.0

**Project Description:**

Scope: \$40,000,000

Phase I of the Biological Sciences/Pharmaceutical Complex, authorized by the 2005 General Assembly, will construct a shelled building at UK's Research Complex. Phase II will complete the 242,000 gross square foot facility. This new building will provide the college with a state-of-the-art facility that will also allow the college to expand enrollment to address the shortage of pharmacists in Kentucky. The College of Pharmacy will relocate to this new facility and vacate their existing space. In addition to the current Pharmacy Building, college faculty members are housed in 10 buildings on and off campus. Consolidation of the research and teaching expertise of the eighth ranked College of Pharmacy in the U.S. will further strengthen the instruction of students and research collaboration among faculty. The vacated Pharmacy Building will be reassigned to the Department of Biology to provide needed expansion space for classrooms, research, and faculty to meet the needs of the growing student enrollment in UK's largest department.

**Consultant:** EOP Architects

Contract # A061150

Original Contract Amount: \$360,000

Total Amendments to Date:

Cumulative Amendment Amount:

**Describe all amendments :**

Revised Contract Amount: \$360,000

**No amendments this quarter.**

**Contractor:** No construction contract awarded to date.

Contract #

Original Contract Amount:

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid:

Revised Contract Amount:

High Bid:

Contract Percent Complete:

Number of Bids:

**Describe all change orders greater than \$25,000.00:**

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

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**Construct Horticultural Research and Education Facility**

Project Number: 2238.0

**Project Description:**

Scope: \$860,000

Expanded plant science technology will be a major contribution to economic expansion in the Commonwealth. The Horticultural Research and Education Center at South Farm is the key component in the Statewide plan to develop research/extension infrastructure in support of new and existing horticultural industries. The programs through this facility will explore, develop, evaluate, demonstrate, and communicate horticultural crop opportunities through innovative research and educational programs that enhance diversification, profitability, and sustainability of Kentucky farms and landscapes. It will become UK's most visible commitment to enhancing the viability of non-traditional enterprises and family farms. The scope of this project is not yet clearly defined. It will follow and supplement the intent of the South Farm Improvements project. These projects will serve to develop a horticulture research facility on the South Farm. Included in the scope are greenhouse and headhouse facilities, research laboratories, storage building for equipment and pesticides and environmental rooms.

**Consultant:** UK College of Ag In-House Design

Contract #

Original Contract Amount:

Total Amendments to Date:

Cumulative Amendment Amount:

**Describe all amendments :**

Revised Contract Amount:

**Contractor:** No construction contract awarded to date.

Contract #

Original Contract Amount:

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid:

Revised Contract Amount:

High Bid:

Contract Percent Complete:

Number of Bids:

**Describe all change orders greater than \$25,000.00:**

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

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**Construct Parking Structure (PS #6 & #7)**

Project Number: 2158.1

**Project Description:**

Scope: \$23,630,000

This project will construct two parking structures located on the University of Kentucky central campus. Virginia Avenue and Complex Drive were selected as the sites for these two structures. The structures house 1,312 parking spaces (PS #6 contains 732 spaces and PS #7 contains 580 spaces) and 10,000 sq. ft. of office space. The structures will serve a mixed use of students, faculty, staff and visitors.

**Consultant:** HNTB

Contract # A041060

Original Contract Amount: \$939,790

Total Amendments to Date: 1

Cumulative Amendment Amount: \$49,900

**Describe all amendments :**

Revised Contract Amount: \$989,690

**Amendment #1, 7/13/04**, an increase of \$49,900 was approved for design services and expenses for the re-design of the buildings' facades (materials & elevation design). **No amendments this quarter.**

**Contractor:** Messer Construction Co.

\*Messer's contract was awarded by RFP process.

Contract # 4500000172

Original Contract Amount: \$18,227,000

Total Change Orders to Date: 26

Cumulative Change Order Amount: \$2,417,288

Low Bid:

Revised Contract Amount: \$20,644,288

High Bid:

Contract Percent Complete: 95%

Number of Bids:

**Describe all change orders greater than \$25,000.00:**

**Change Order #2**, 01/06/05, was approved for \$100,080.00 to provide for changes in the live load structural design of PS #6. **Change order #4**, 02/23/05, was approved for \$195,522.00 to include an additional tennis court and to modify grading and drainage. **Change order #5**, 02/23/05, was approved for -\$51,660.00 to delete the scope of all work associated with the basketball court addition originally planned. **Change order #11**, 05/31/05, was approved for \$119,290.00 for revisions to underground domestic water and fire services at PS#6. The KAWC owned line required new services, to be installed by their approved contractor, including a new vault in the KAWC easement along Virginia Ave. and a separate line to serve domestic water and fire service.

**Change order #13**, 05/31/05, was approved for \$1,797,284.00 to include an additional parking level to PS#6. The university recognized that additional parking will be necessitated by the upcoming construction of the Hospital Expansion project. The additional funding was made available by the UK Parking & Transportation Services. **Change order #21**, 11/22/05, was approved for \$28,060.00 to provide under slab drainage system as ground water has been noted channeling from within the excavated rock wall along Virginia Avenue underneath the first floor slabs. **No change orders greater than \$25,000.00 this quarter.**

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CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

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**Construct Student Health Facility**

Project Number: 2228.0

**Project Description:**

Scope: \$24,000,000

University Health Services will be an outpatient clinic with support spaces and some administrative offices. This project will create additional space by constructing a new building of 65,000 gross square feet. The site will be in the courtyard framed by the Wethington Building, Warren Wright Medical Plaza and the Sanders Brown Center on Aging.

**Consultant:** Omni Architects

Contract # A061070

Original Contract Amount:

\$1,332,600

Total Amendments to Date:

Cumulative Amendment Amount:

**Describe all amendments :**

Revised Contract Amount:

\$1,332,600

**No amendments this quarter.**

**Contractor:** No construction contract awarded to date.

Contract #

Original Contract Amount:

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid:

Revised Contract Amount:

High Bid:

Contract Percent Complete:

Number of Bids:

**Describe all change orders greater than \$25,000.00:**

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Design Patient Bed Tower - Hospital [Clinical Enterprise Facilities Master Plan]

Project Number: 2099.0

Project Description:

Scope: \$10,000,000

The Hospital's present patient tower is approximately 40 years old. Although the space served patients well, the infrastructure is aging, and the facility can not accommodate present anticipated technology. This project will provide the site location evaluation, building programming, planning, and design services for a new bed tower. The project design team is lead by GBBN with major sub consultants including AM Kinney, Ellerby-Becket, Staggs & Fisher, Affiliated Engineers, THP Limited as well as a number of specialty consultants. This project provides much of the authority for the design of the Construct Patient Care Facility, Project 2239.0.

Consultant: KSA and GBBN, Inc.

\*Multiple consultants have been hired.

The \$ amounts represent the sum of all contracts. See below for breakout.

Contract # K04-137/A051130	Original Contract Amount:	\$978,160
Total Amendments to Date: 4	Cumulative Amendment Amount:	\$8,422,354
<b>Describe all amendments :</b>	Revised Contract Amount:	\$9,400,514
<b>KSA, K04-137</b>	Original Contract Amount:	\$478,160
Total Amendments to Date: 2	Cumulative Amendment Amount:	\$258,500
	Revised Contract Amount:	\$736,660

**Amendment #1**, 01/11/05, an increase of \$121,000.00 was approved for additional work for a Traffic Study as well as a Parking Study. **Amendment #2**, 07/12/05, an increase of \$137,500.00 was approved for additional consulting services for the School of Medicine and the Ambulatory Care area. **No amendments this quarter.**

<b>GBBN, Inc., A051130</b>	Original Contract Amount:	\$500,000
Total Amendments to Date: 2	Cumulative Amendment Amount:	\$8,163,854
	Revised Contract Amount:	\$8,663,854

**A051130, Amendment #1**, was approved on 05/10/05. This amendment for \$1,572,700.00 incorporates the agreements reached on the scope of services necessary to develop the Master Planning and Gross Programming through the year 2020 and the Detailed Programming for the first phase 1A of the project. Amendment #2, was approved on 09/13/05. This amendment for \$6,591,154 .00 includes the schematic design services of all elements of the project to include the Hospital and Concourse, the Garage and the Infrastructure as well as full design of the Garage and Infrastructure. **No amendments this quarter.**

Contractor: Design Authority Only

Contract #	Original Contract Amount:
Total Change Orders to Date:	Cumulative Change Order Amount:
Low Bid:	Revised Contract Amount:
High Bid:	Contract Percent Complete:
Number of Bids:	
<b>Describe all change orders greater than \$25,000.00:</b>	

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Construct Patient Care Facility

Project Number: 2239.0

Project Description:

Scope: \$450,000,000

This project will construct a new hospital addition to include patient beds, patient diagnostic and treatment areas, support areas, support facilities, medical equipment and infrastructure. The project also includes the replacement of the hospital parking garage and a connecting bridge as well as land acquisition and utility costs.

Consultant: GBBN, Inc.

Contract # A061080	Original Contract Amount:	\$30,400,226
Total Amendments to Date:	Cumulative Amendment Amount:	
<b>Describe all amendments :</b>	Revised Contract Amount:	\$30,400,226

Contractor: Gilbane (Construction Manager At-Risk)

Note: This is a 'CM-At-Risk' contract for Design Phase services only. The contract will be increased as GMP's are approved. We will report on each GMP separately below.

Contract # 4500001350	Original Contract Amount:	\$1,000,000
Total Change Orders to Date:	Cumulative Change Order Amount:	
Low Bid:	Revised Contract Amount:	\$1,000,000
High Bid:	Contract Percent Complete:	

Number of Bids:

Describe all change orders greater than \$25,000.00:

No change orders greater than \$25,000 this quarter.

PCF -Huguelet Drive Extension (GMP #1)

Project Number: 2239.1

Project Description:

Scope: \$5,000,000

GMP#1. This is a portion of the larger Patient Care Facility Project (2239.0). This package will link Huguelet Drive to Virginia Avenue at the current Clinic Drive location. The new road will provide an east-west link from University Drive to the west side of campus at Virginia Avenue. New signalization and bike paths are included to provide additional safety along the route. New entries to existing parking lots will be constructed and perpendicular parking will be removed between University Drive and Rose Street. The entire route will receive new landscaping and way-finding signage that will tie to both the Medical Center and Main Campus standards.

Consultant: Wilbur Smith Associates

Contract # A061050	Original Contract Amount:	\$400,000
Total Amendments to Date:	Cumulative Amendment Amount:	
<b>Describe all amendments :</b>	Revised Contract Amount:	\$400,000

No amendments this quarter.

Contractor: No construction contract awarded to date.

Contract #	Original Contract Amount:	
Total Change Orders to Date:	Cumulative Change Order Amount:	
Low Bid:	Revised Contract Amount:	
High Bid:	Contract Percent Complete:	

Number of Bids:

Describe all change orders greater than \$25,000.00:

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**CAPITAL CONSTRUCTION QUARTERLY ACTIVITY**

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**PCF - Parking Garage (GMP #2)**

Project Number: 2239.2

Scope: \$32,766,968

**Project Description:**

GMP#2. This is a portion of the larger Patient Care Facility Project (2239.0). This package will construct a seven level parking structure that will have an approximate 1,600 car capacity. The new garage will be located on the west side of Limestone Street, between Conn Terrace and Transcript Avenue. This structure will replace the existing Med Center parking garage that must be demolished in order to tie the new Patient Care Facility to the existing Medical Center. A future pedestrian bridge will connect the new structure to the Patient Care Facility and the design has allowed for the future addition of approximately 15,000 square feet of retail space fronting Limestone.

**Consultant:** GBBN, Inc.

See project 2239.0

Contract #

Original Contract Amount:

Total Amendments to Date:

Cumulative Amendment Amount:

**Describe all amendments :**

Revised Contract Amount:

**Contractor:** Gilbane Building Company (GMP #2)

Contract # 4500001350

Original Contract Amount:

\$32,766,968

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid:

Revised Contract Amount:

\$32,766,968

High Bid:

Contract Percent Complete:

Number of Bids:

**Describe all change orders greater than \$25,000.00:**

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**PCF - Infrastructure (GMP #3)**

Project Number: 2239.3

Scope: \$50,000,000

**Project Description:**

GMP#3. This is a portion of the larger Patient Care Facility Project (2239.0). This package will provide the University the ability to meet the utility requirements of the new Patient Care Facility. The Central Utility Plant on Press Avenue will be expanded with a new boiler; Chiller Plant No. 1, on University Drive will be renovated with new chillers; new emergency generators will be added to Chiller Plant No. 3 to serve the Patient Care Facility, critical steam and chilled water lines will be replaced and upsized.

**Consultant:** GBBN, Inc.

See project 2239.0

Contract #

Original Contract Amount:

Total Amendments to Date:

Cumulative Amendment Amount:

**Describe all amendments :**

Revised Contract Amount:

**Contractor:** No construction contract awarded to date.

Contract #

Original Contract Amount:

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid:

Revised Contract Amount:

High Bid:

Contract Percent Complete:

Number of Bids:

**Describe all change orders greater than \$25,000.00:**

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**CAPITAL CONSTRUCTION QUARTERLY ACTIVITY**

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**PCF - Mass Excavation and Foundations (GMP #4)**

Project Number: 2239.4

Scope: \$32,085,000

**Project Description:**

GMP#4. This is a portion of the larger Patient Care Facility Project (2239.0). This package will contain the demolition of the existing Parking Structure #4. The work on this GMP will involve the start of all deep foundations up to the grade surface of the excavation.

**Consultant:** GBBN, Inc.

See project 2239.0

Contract #

Original Contract Amount:

Total Amendments to Date:

Cumulative Amendment Amount:

**Describe all amendments :**

Revised Contract Amount:

**Contractor:** No construction contract awarded to date.

Contract #

Original Contract Amount:

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid:

Revised Contract Amount:

High Bid:

Contract Percent Complete:

Number of Bids:

**Describe all change orders greater than \$25,000.00:**

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**PCF - Core and Shell (GMP #5)**

Project Number: 2239.5

Scope: \$126,985,000

**Project Description:**

GMP#5. This is a portion of the larger Patient Care Facility Project (2239.0). This package will contain the construction of the new 1,012,000 gross square feet building's structural frame, fireproofing, exterior wall enclosure for all new building spaces, windows, exterior doors and roofs. Also included will be all exterior site improvements, civil design for roadways, drainage systems, landscaping, hardscape surfaces and walks.

**Consultant:** GBBN, Inc.

See project 2239.0

Contract #

Original Contract Amount:

Total Amendments to Date:

Cumulative Amendment Amount:

**Describe all amendments :**

Revised Contract Amount:

**Contractor:** No construction contract awarded to date.

Contract #

Original Contract Amount:

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid:

Revised Contract Amount:

High Bid:

Contract Percent Complete:

Number of Bids:

**Describe all change orders greater than \$25,000.00:**

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**CAPITAL CONSTRUCTION QUARTERLY ACTIVITY**

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**PCF - Fit-up (GMP #6)**

Project Number: 2239.6

Scope: \$103,305,000

**Project Description:**

GMP#6. This is a portion of the larger Patient Care Facility Project (2239.0). This package will contain the remaining interior fit-out partitions, interior finishes, doors and frames, ceilings, mechanical systems, electrical systems, technology systems, medical equipment and fire protection for approximately 490,000 occupiable square feet. The package also will contain drawings and specifications for signage, interior furnishings and lighting.

**Consultant:** GBBN, Inc.

See project 2239.0

Contract #

Original Contract Amount:

Total Amendments to Date:

Cumulative Amendment Amount:

**Describe all amendments :**

Revised Contract Amount:

**Contractor:** No construction contract awarded to date.

Contract #

Original Contract Amount:

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid:

Revised Contract Amount:

High Bid:

Contract Percent Complete:

Number of Bids:

**Describe all change orders greater than \$25,000.00:**

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**Expand Cancer Infusion Suites - Hospital**

Project Number: 2229.0

Scope: \$1,600,000

**Project Description:**

This project is for the expansion of the chemotherapy infusion program into the 2nd floor of the Davis Millis portion of the Whitney Hendrickson Building. The existing infusion operation is located in the first floor of the same facility directly below the proposed expansion. The demand for chemotherapy infusion services has exceeded the available clinic space capacity causing patients to use inpatient facilities for outpatient services or to wait for needed treatments. The renovation will also provide urgent treatment cancer services that are not currently provided by the cancer center.

**Consultant:** Stengel-Hill Architects

Contract # A061060

Original Contract Amount:

\$84,500

Total Amendments to Date:

Cumulative Amendment Amount:

**Describe all amendments :**

Revised Contract Amount:

\$84,500

**No amendments this quarter.**

**Contractor:** The Wagner Company

Contract # 4500001850

Original Contract Amount:

\$958,484

Total Change Orders to Date: 1

Cumulative Change Order Amount:

\$189

Low Bid: \$958,484

Revised Contract Amount:

\$958,673

High Bid: \$1,242,000

Contract Percent Complete:

Number of Bids:

**Describe all change orders greater than \$25,000.00:**

**No change orders greater than \$25,000 this quarter.**

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**CAPITAL CONSTRUCTION QUARTERLY ACTIVITY**

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**Expand Emergency Services - Hospital**

Project Number: 2236.0

**Project Description:**

Scope: \$4,750,000

This renovation project consists of renovating approximately 18,400 sq. ft. of ground floor space in the Critical Care Center. Materials Management and Purchasing Offices will be relocated to expand patient care services in the Emergency Department. The renovation will provide a new and separate Pediatrics Emergency area to include an exterior entrance, waiting room triage and support spaces; additional Emergency Department acute care bays, nursing space and support space; provide a new digital radiology room for exclusive use by the Emergency Department.

**Consultant:** GBBN, Inc.

Contract # A061090

Original Contract Amount:

\$265,000

Total Amendments to Date: 1

Cumulative Amendment Amount:

\$87,500

**Describe all amendments :**

Revised Contract Amount:

\$352,500

**Amendment #1**, 11/08/05, was approved for \$87,500.00 for additional design services to design replacement air handlers, exhaust fans and return fans on the ground floor. It has been determined that the condition and capacity of the existing fans are inadequate to serve the renovated space. **No amendments this quarter.**

**Contractor:** No construction contract awarded to date.

Contract #

Original Contract Amount:

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid:

Revised Contract Amount:

High Bid:

Contract Percent Complete:

Number of Bids:

**Describe all change orders greater than \$25,000.00:**

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**Expand Outpatient Radiology (Temporary MRI)**

Project Number: 2240.0

**Project Description:**

Scope: \$515,253

This project is for renovation and expansion of existing outpatient Radiology clinic located in the Kentucky Clinic. Adjacent available space will be utilized for the expansion. This expansion is needed to provide additional clinic space for the overcrowded outpatient Radiology Department services. The expansion of radiology services into this space will provide additional capacity to serve the various clinics in Kentucky Clinic.

\*This project utilized multiple contracts with the equipment vendor, the UK Unit Price Contractor & PPD forces. Total construction cost totaled \$515,253 including \$143,205 for a mobile building. Total Equipment (MRI) was \$1.7m.

**Consultant:**

Contract #

Original Contract Amount:

Total Amendments to Date:

Cumulative Amendment Amount:

**Describe all amendments :**

Revised Contract Amount:

**Contractor:** Denham-Blythe

Contract # 4500000674

Original Contract Amount:

\$171,872

Total Change Orders to Date: 12

Cumulative Change Order Amount:

\$80,944

Low Bid:

Revised Contract Amount:

\$252,816

High Bid:

Contract Percent Complete:

95%

Number of Bids:

**Describe all change orders greater than \$25,000.00:**

**No change orders greater than \$25,000 this quarter.**

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**CAPITAL CONSTRUCTION QUARTERLY ACTIVITY**

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**Expand & Upgrade Livestock Disease Diagnostic Lab**

Project Number: 2234.0

**Project Description:**

Scope: \$8,500,000

New space is needed for more than one veterinary pathologist to perform animal postmortem examinations in addition to renovation of current necropsy space. New space is also needed to add molecular biology/special procedures capabilities to the laboratory. New technology in the form of an alkaline hydrolysis digester is needed to replace an aging incinerator. The LDDC is an office and laboratory building with net assignable space of 3,860 sq. ft. for offices and 28,100 sq. ft. of laboratories and support space. It is proposed to add 6,300 and 1,200 sq. ft. (net) of new laboratory and office space, respectively. An existing necropsy laboratory and support space will be renovated (2,000 sq. ft. net).

**Consultant:** CMW, Inc.

Contract # A061100

Original Contract Amount:

\$648,000

Total Amendments to Date:

Cumulative Amendment Amount:

**Describe all amendments :**

Revised Contract Amount:

\$648,000

**No amendments this quarter.**

**Contractor:** No construction contract awarded to date.

Contract #

Original Contract Amount:

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid:

Revised Contract Amount:

High Bid:

Contract Percent Complete:

Number of Bids:

**Describe all change orders greater than \$25,000.00:**

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**Fit Up 4th Floor in BBSRB**

Project Number: 2227.0

**Project Description:**

Scope: \$9,663,925

This project will fit-up approximately 32,750 square feet in the currently "shelled space" on the fourth floor of the BBSRB Building. The fit-up will include wet bench laboratory space, support space, and dry computational labs. The University has received a federal grant award of \$3,685,000 from the National Center for Research Resources Extramural Research Facilities Improvement Program. The space will primarily be utilized by Pharmacology.

**Consultant:** A.M. Kinney

Contract # A051120

Original Contract Amount:

\$415,000

Total Amendments to Date:

Cumulative Amendment Amount:

**Describe all amendments :**

Revised Contract Amount:

\$415,000

**No amendments this quarter.**

**Contractor:** WS Construction

Contract # 4500001420

Original Contract Amount:

\$5,342,000

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid: \$5,342,000

Revised Contract Amount:

\$5,342,000

High Bid: \$5,657,000

Contract Percent Complete:

Number of Bids: 4

**Describe all change orders greater than \$25,000.00:**

**No change orders greater than \$25,000.00 this quarter.**

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CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

**KY Swine Development & Training Ctr. Feed Mill (Woodford County)**

Project Number: 1698.1

**Project Description:**

Scope: \$870,000

Revised project will construct a feed mill on the Woodford County Animal Research Center within either the sheep or swine unit. AG Engineering will design the mill utilizing new components and some equipment from the Cold Stream Farm feed mill when it is demolished.

**Consultant:** UK College of Agriculture in-house design.

Contract #

Original Contract Amount:

Total Amendments to Date:

Cumulative Amendment Amount:

**Describe all amendments :**

Revised Contract Amount:

**Contractor:** Denham Blythe

Contract # X4500002266

Original Contract Amount:

\$267,348

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid: \$267,348

Revised Contract Amount:

\$267,348

High Bid: \$361,659

Contract Percent Complete:

Number of Bids: 4

**Describe all change orders greater than \$25,000.00:**

**No change orders greater than \$25,000 this quarter.**

**Memorial Coliseum Expansion**

Project Number: 2196.0

**Project Description:**

Scope: \$30,000,000

This project consists of the addition of men's and women's basketball offices, practice facility, weight training, medical support, locker/shower, facilities ticket office, administrative offices, and minor renovation of existing locker rooms. The estimated total cost of the facility is \$30 million, consisting of the \$2.5 million for design plus \$27.5 million for construction. This project involves the design of a 92,300 square foot Basketball Practice Facility to enhance the University's ability to attract top student athletes. The new facility will alleviate scheduling problems at Memorial Coliseum and will provide amenities in line with other NCAA basketball facilities in the country. The practice facility will be connected to Memorial Coliseum, which is located near the intersection of Lexington Avenue and the Avenue of Champions, and will renovate 7,700 square feet to support volleyball, gymnastics, offices and ticketing.

**Consultant:** Sherman-Carter-Barnhart/HNTB

Contract # A041080

Original Contract Amount:

\$2,000,000

Total Amendments to Date: 0

Cumulative Amendment Amount:

**Describe all amendments :**

Revised Contract Amount:

\$2,000,000

**No amendments this quarter.**

**Contractor:** Messer Construction (Construction Manager-At-Risk)

Note: This is a 'CM-At-Risk' contract. The amount will be increased as sub-contracts are bid and added.

\*Messer's contract was awarded by RFP process.

Contract # X502765

Original Contract Amount:

\$25,184,561

Total Change Orders to Date: 32

Cumulative Change Order Amount:

\$383,098

Low Bid:

Revised Contract Amount:

\$25,567,659

High Bid:

Contract Percent Complete:

39%

Number of Bids:

**Describe all change orders greater than \$25,000.00:**

**Change Order #27, 03/16/06, was approved for \$65,940.07, to adjust contract amount for actual length of drilled piers over the base length included in the base bid. Change Order #33, 03/31/06, was approved for -\$25,240.75 to adjust contract amount after receiving donation from Harrod Concrete & Stone.**

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**CAPITAL CONSTRUCTION QUARTERLY ACTIVITY**

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**Renovate Vivarium in Central DLAR Facility**

Project Number: 2233.0

**Project Description:**

Scope: \$2,250,000

This project will renovate the cage washing area, install a robotic cage washing system, and upgrade spaces to animal procedure rooms in the vivarium in the Combs Building. The Combs Cancer Research building is approximately 75,800 gross square feet. The building was constructed in 1987 and is in good condition. The facility consists of research labs, offices, lab support areas, animal care areas, and animal care support space. The building is heated with steam from the coal fueled central plants and the cooling is supplied from the central, electric generated, chilled water plants.

**Consultant:** BHDP Architecture, Inc.

Contract # A061110

Original Contract Amount:

\$117,458

Total Amendments to Date:

Cumulative Amendment Amount:

**Describe all amendments :**

Revised Contract Amount:

\$117,458

**No amendments this quarter.**

**Contractor:** No construction contract awarded to date.

Contract #

Original Contract Amount:

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid:

Revised Contract Amount:

High Bid:

Contract Percent Complete:

Number of Bids:

**Describe all change orders greater than \$25,000.00:**

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**Student Housing - Supporting Utility Plant Upgrades**

Project Number: 2153.3

**Project Description:**

Scope: \$1,275,000

This project includes expanding the Virginia Ave. CUP to accommodate future expansion in steam and chilled water capacity. The project was established in support of the Student Housing Project.

**Consultant:** AM Kinney

Contract # A041000GG

Original Contract Amount:

\$26,315

Total Amendments to Date: 0

Cumulative Amendment Amount:

**Describe all amendments :**

Revised Contract Amount:

\$26,315

**No amendments this quarter.**

**Contractor:** English Boiler & Tube Inc.

\*English Boiler's contract was awarded by RFP process.

Contract # X500192

Original Contract Amount:

\$245,155

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid:

Revised Contract Amount:

\$245,155

High Bid:

Contract Percent Complete:

98%

Number of Bids:

**Describe all change orders greater than \$25,000.00:**

**No change orders greater than \$25,000.00 this quarter.**

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CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

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**Upgrade Surgical Services**

Project Number: 2231.0

Scope: \$4,500,000

**Project Description:**

This project will renovate existing space to develop a Same Day Surgery Intake Unit; will relocate surgical offices adjacent to the operating rooms in the Critical Care Center to expand the Post Anesthesia Care Unit; will develop a Pre-op, PACU, and waiting space in the main hospital building dedicated to pediatric patients; and will renovate the 1st floor surgical waiting area. The current layout and size of unit causes numerous inefficiencies in the department. The amount of PACU beds is too few based on industry standards. This renovation will allow for improved operational efficiencies of the operating rooms and will provide for an improved patient experience with the development of the same day surgery intake unit. This space is connected to the Hospital's central chilled water and steam systems (coal or gas fired boilers chillers).

**Consultant:** Stengel Hill Architects

Contract # A061140

Total Amendments to Date:

**Describe all amendments :**

**No amendments this quarter.**

Original Contract Amount: \$324,000

Cumulative Amendment Amount:

Revised Contract Amount: \$324,000

**Contractor:** No construction contract awarded to date.

Contract #

Total Change Orders to Date:

Low Bid:

High Bid:

Number of Bids:

**Describe all change orders greater than \$25,000.00:**

Original Contract Amount:

Cumulative Change Order Amount:

Revised Contract Amount:

Contract Percent Complete: